

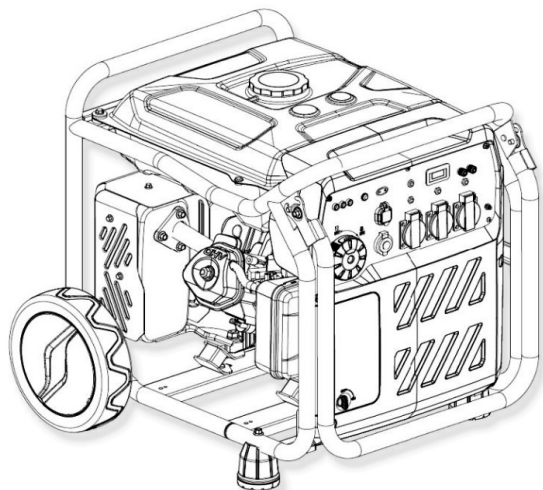


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BNG8000iD Inverter Generator

Inverter - Engine Parts Guide

BNG8000iD



7200
RUNNING WATTS

8000
MAX WATTS



Parts Breakdown

Schematic

Specifications

The BNG8000iD is a 8000 Watt (Max) / 7200 Watt (Rated), gasoline-powered inverter generator designed for job site use and recreational applications.

The compact design makes this unit a powerful and lightweight power plant, that quietly produces stable power for your job site or recreational needs!



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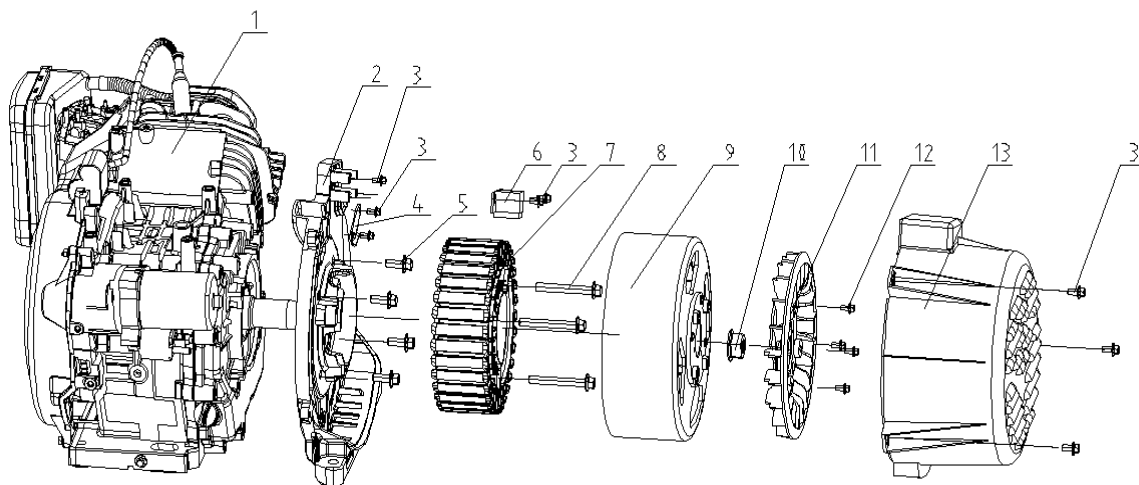
BNG8000iD-parts-guide.PDF | Rev SEPTEMBER 2022

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Engine Mount

Figure 1 - Engine Mount

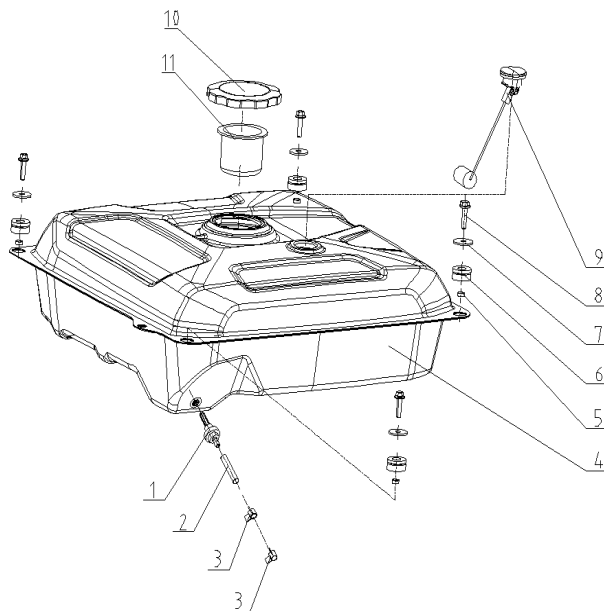
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	H460iD-CBNO000	Engine	1	8	91101-0865-00100	Hexagon flange bolt-M8×1.25×65	3
2	33103-G310010-00000	Motor front cover	1	9	33330-G310010-00000	Magneto rotor assembly	1
3	91107-0514-00100	Hexagon flange bolt-M5 × 10	8	10	92403-E040010-00000	Flywheel nut	1
4	13316-G310010-H0200	Crimping block	1	11	26201-G310010-00000	Impeller	1
5	91101-0820-00100	Hexagon flange bolt-M8×1.25×20	4	12	91101-0620-00100	Hexagon flange bolt-M6×1×20	4
6	31340-E180010-00000	Trigger assembly	1	13	33102-G310010-H0400	Motor tail cover	1
7	33310-G310010-00000	Magneto stator assy	1				



Fuel Tank

Figure 2 - Fuel Tank

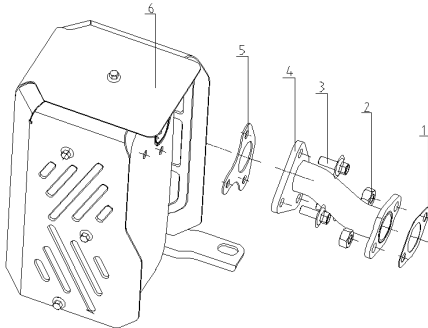
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	25180-E010010-00000	Fuel outlet nozzle	1	7	93120-G050010-00000	Oil tank gasket $\Phi 6 \times \Phi 25 \times 2$	4
2	25130-G310501-00010	Fuel tube	1	8	91101-0625-00100	Hexagon flange bolt M6×1×25	4
3	95206-E010010-00000	Collar	2	9	25210-G310010-00000	Oil gauge	1
4	25140-G310010-C0100	Tank assy	1	10	25110-G170010-H0210	Tank cap	1
5	25103-G020010-00000	Busher $\Phi 9 \times \Phi 12 \times 12.5$	4	11	25190-G030010-00000	Fuel filter	1
6	25101-G020010-00000	Oil tank damping rubber pad	4				



Muffler Mount

Figure 3 - Muffler Mount

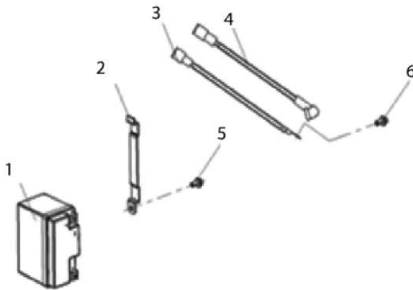
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	23001-E040010-00000	Exhaust gasket	1	4	23110-G310501-00000	Exhaust pipe assembly	1
2	92101-0800-00100	Type 1 hex nut M8×1.25	2	5	23101-E040010-00000	Muffler gasket	1
3	91101-0820-00100	Hexagon flange bolt M8×1.25×20	3	6	23100-G310010-H0100	Muffler assembly	1



Battery Assembly

Figure 4 - Battery Assembly

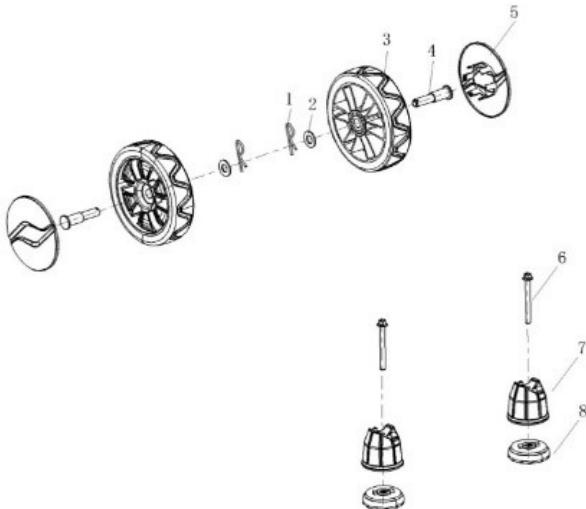
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	35110-G220501-H0400	Battery	1	4	35140-G310501-00000	Negative wire assy	1
2	41315-G170010-H0200	Battery pressing plate	1	5	91101-0612-00100	Hexagon flange bolt M6×1×12	1
3	35130-G310501-00000	Positive wire assy	1	6	91107-0512-00100	Hexagon flange bolt-M5 × 0.8 × 12	1



Wheel Kit

Figure 5 - Wheel Kit

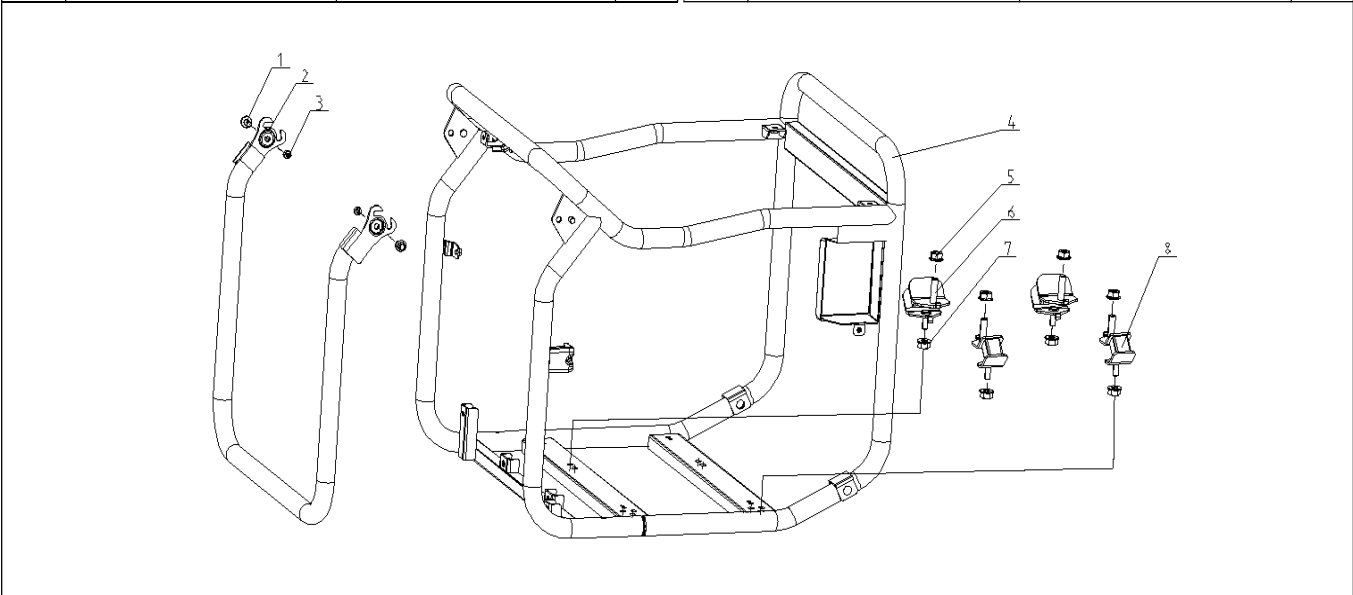
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	93301-2300-00100	Cotter pin	2	9	91101-0880-00100	Hexagon flange bolt-M8X1.25X80	2
2	93104-1428-00100	Flat gasket - grade C Φ 14 × Φ 28 × 2.	2	10	41103-G170501-H0200	Bracket of frame damping seat	2
3	44220-G310501-00000	Wheel ssy	2	11	41130-G170501-00000	Frame damping seat assy	2
4	44110-G240010-00000	Wheel shaft assy	2				



Frame Assembly

Figure 6 - Frame Assembly

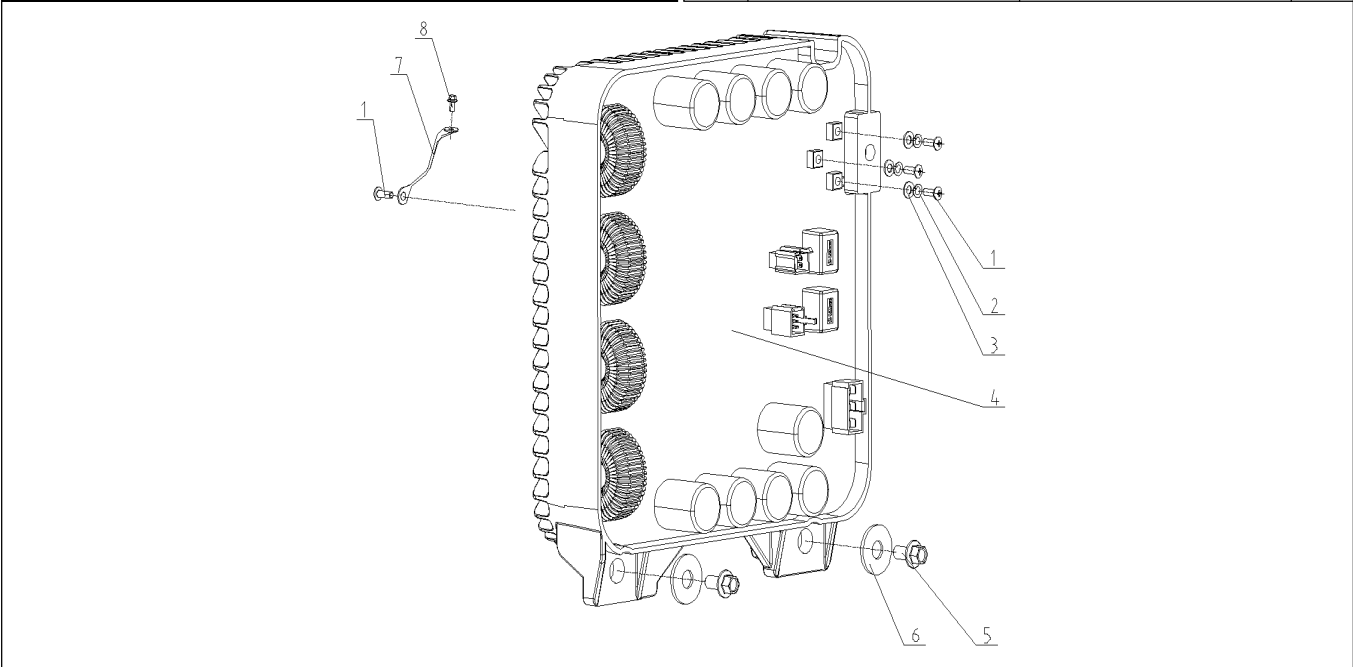
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	91101-0816-00100	Hexagon flange bolt M8×1.25×16	2	5	92202-1000-00100	Hexagon flange nut-M10 × 1.25	4
2	44410-G310030-H0200	Handlebar assy	1	6	41110-G050010-00000	Left damping pad assy	2
3	92110-0800-00100	Nylon hex lock nut M8	2	7	92201-0800-00100	Hexagon flange nut M8	4
4	41210-G310504-H0200	Frame assy	1	8	41120-G050010-00000	Right damping pad assy	2



Inverter

Figure 7 - Inverter

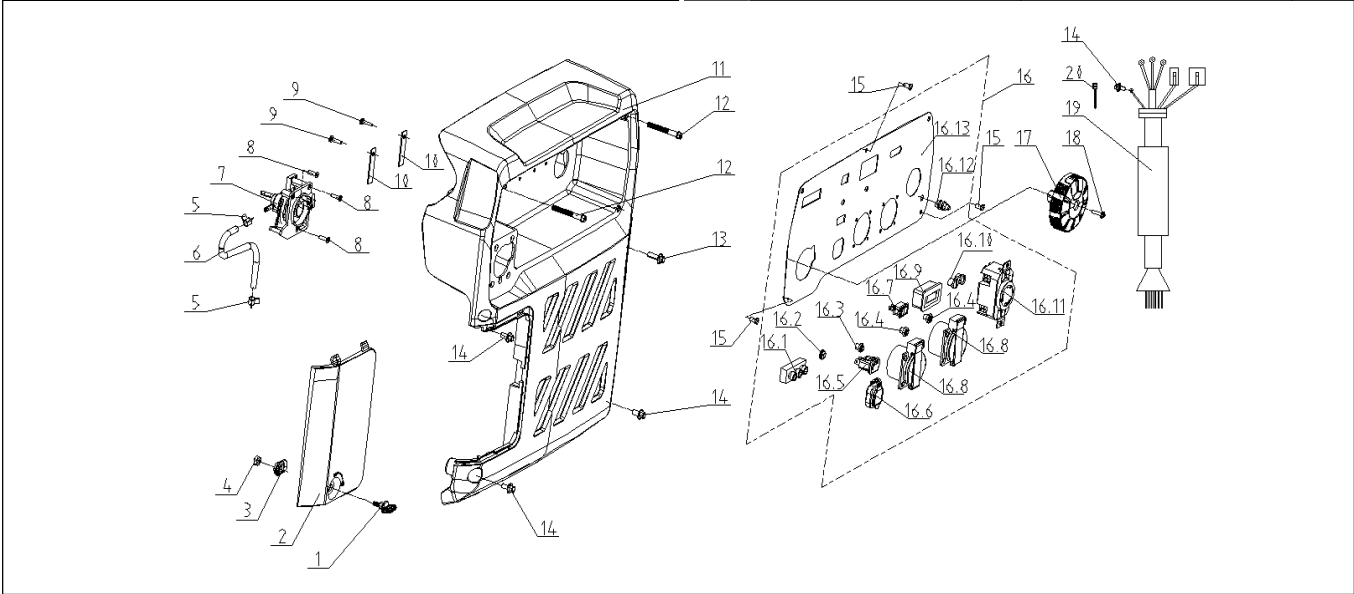
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	91202-0510-00200	Cross recessed pan head screw M4 × 0.7 × 12	4	8	91101-0825-00100	Hexagon flange bolt M8 × 1.25 × 25	2
2	93103-4000-00100	Spring washer Φ 4	3	9	93104-8523-00101	Flat gasket Grade C Φ 8.5 × Φ 23 × 3	2
3	93104-8523-00101	Flat gasket - grade C 4 × 0.8	3	10	36168-G310501-00000	Connecting line	1
4	36300-G310010-00000	Inverter assembly	1	11	91101-0612-00100	Hexagon flange bolt M6×1×12	1



Control Panel Assembly

Figure 8 - Control Panel Assembly

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	41440-G220010-C0100	Knob assembly	1	11	36103-G310010-H0400	Panel base assembly	1
2	41403-G310010-H0400	Maintenance door	1	12	91116-G310020-00000	Cross recessed hexagon head bolt M6×50	2
3	41450-G290010-H0400	Block assembly	1	13	91101-0630-00100	Hexagon flange bolt M6×1×30	1
4	92110-0500-00200	Nylon hex lock nut M5	1	14	91101-0612-00100	Hexagon flange bolt M6×1×12	4
5	95206-E010010-00000	Collar	2	15	91202-0510-00200	Cross recessed pan head screw M5 × 0.8 × 10	3
6	25130-E040010-00000	Fuel tube	1	16	36120-G310522-H0200	Control panel assembly	1
7	31430-G310010-00000	Starting switch assembly	1	17	41440-G220010-C0100	Knob assembly	1
8	91210-4216-00100	Cross recessed countersunk head tapping screw 4.2 × 16	3	18	91202-0416-00200	Cross recessed pan head screw M4×0.7×16	1
9	91206-4816-00100	Cross recessed pan head tapping screw ST4.8 × 16	2	19	22010-G310501-H0400	Corrugated pipe	1
10	91719-E040010-00000	Line card	2	20	95401-G290010-H0100	Ties	8



Engine: Head Cover

Figure 9 - Head Cover

Ref #	Part Number	Description	Qty
1	11140-E120501-00000	CYLINDER HEAD COMP.	1
2	11150-E040501-00000	BOLT, HEAD COVER	1
3	11151-E040020-00000	WASHER COMP., HEAD COVER	1
4	11410-E040010-00000	COVER COMP., HEAD	1
5	91707-E040020-00000	BOLT, STUD, INTAKE	2
6	91708-E010020-00001	BOLT, STUD, EXHAUST	2
7	11401-E040010-00000	PACKING, HEAD COVER	1

Ref #	Part Number	Description	Qty
8	11131-E120010-00000	GASKET, CYLINDER HEAD	1
9	91718-E040010-00000	BOLT, FLANGE	4
10	93307-1220-00000	DOWEL PIN	2
11	31110-E010010-00000	SPARK PLUG	1
12	91101-0840-00100	BOLT, FLANGE	1
13	26202-E040010-00000	SHROUD	1

Engine: Crankcase

Figure 10 - Crankcase

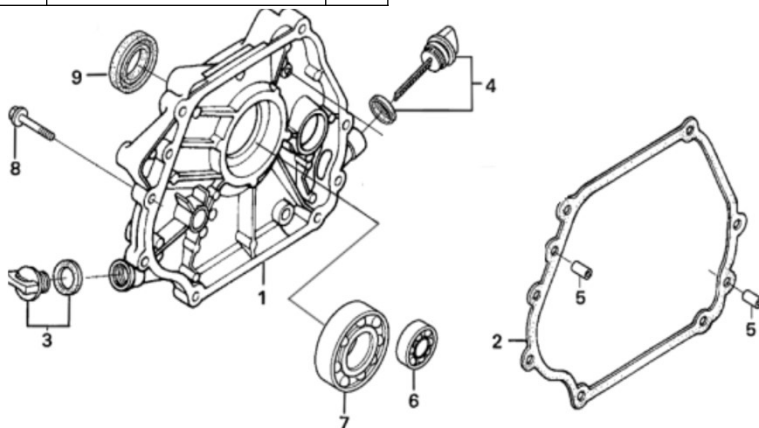
Ref #	Part Number	Description	Qty
1	13310-E260503-00000	CRANKCASE	1
2	31080-E040020-00000	SWITCH ASSEMBLY, OIL LEVEL	1
3	91101-0616-00100	BOLT, FLANGE	2
4	94100-6202-P6300	BEARING 6202	1

Ref #	Part Number	Description	Qty
5	90001-E040010-00000	OIL SEAL	1
6	93116-E040010-00000	WASHER	2
7	91709-E040010-00000	BOLT, DRAIN PLUG	2

Engine: Crankcase Cover

Figure 11 - Crankcase Cover

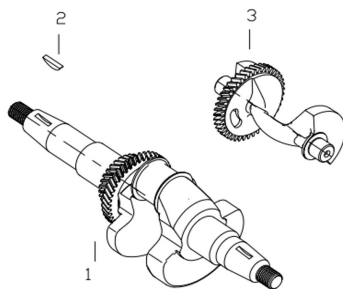
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	13410-E260501-00000	CRANKCASE COVER	1	6	94100-6202-P6300	BEARING, RADIAL BALL, 6202	1
2	13001-E120501-00000	PACKING, CASE COVER	1	7	94100-6207-00000	BEARING, RADIAL BALL, 6207	1
3	19030-E040020-H0200	CAP ASSY., OIL FILLER	1	8	91101-0616-00100	BOLT, FLANGE	10
4	19010-E040030-H0200	STICK ASSY., OIL FILLER	1	9	90001-E040010-00000	OIL SEAL	1
5	93307-0814-00000	DOWEL PIN	2				



Engine: Crankshaft Assembly

Figure 12 - Crankshaft Assembly

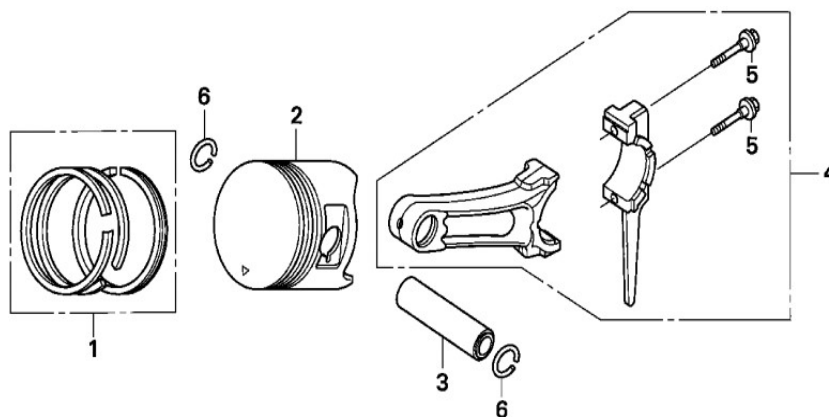
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	15310-E260501-00000	CRANKSHAFT ASSY	1	3	15400-E120010-00000	WEIGHT, BALANCER	1
2		KEY	1				



Piston & Connecting Rod

Figure 13 - Piston & Connecting Rod

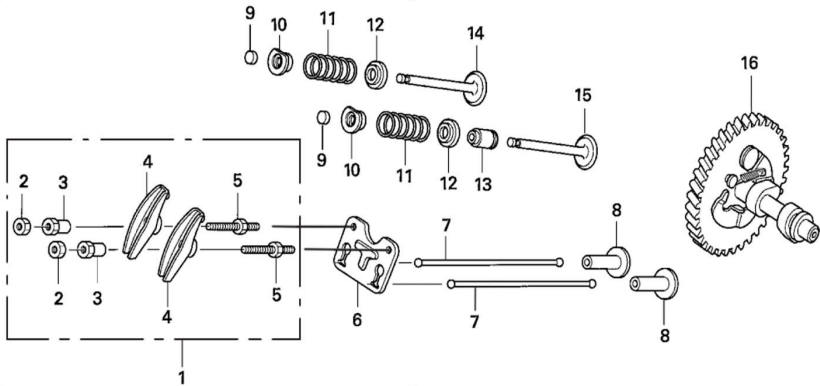
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	15200-E120010-00010	RING SET, PISTON (STD.)	1	4	15010-E120010-00001	CONNECTING ROD ASSY.	1
2	15100-E120501-00000	PISTON (STD.)	1	5		BOLT, CONNECTING ROD	1
3	15121-E120010-00000	PIN, PISTON	1	6	15122-E040010-00000	CLIP, PISTON PIN	2



Engine: Rocker Arm Assembly

Figure 14 - Rocker Arm Assembly

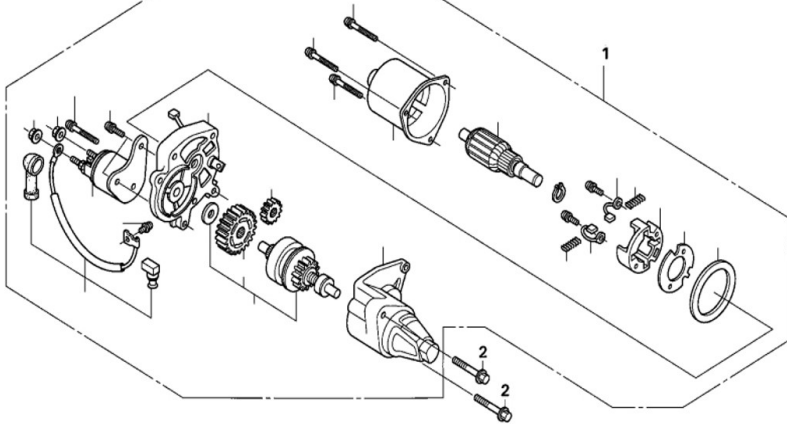
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	17310-E040010-00000	ROCKER ARM ASSEMBLY	1	9	11103-E040010-00000	ROTATOR, VALVE	2
2		NUT, PIVOT ADJUSTING	2	10	11106-E040020-00000	RETAINER, EX. VALVE SPRING	2
3		PIVOT, ROCKER ARM	2	11	11102-E040010-00000	SPRING, VALVE	2
4		ROCKER ARM	2	12	11104-E040010-00000	SEAT, VALVE SPRING	2
5		BOLT, POVIT	2	13	11101-E040010-Z0100	SEAL, VALVE STEM	1
6	17030-E040010-00000	PLATE, PUSH ROD GUIDE	1	14	11122-E120501-00000	VALVE, EX.	1
7	17010-E120010-00000	PUSH ROD	2	15	11121-E120501-00000	VALVE, IN.	1
8	17021-E040010-00000	LIFTER , VALVE	2	16	17210-E120501-00000	CAMSHAFT ASSEMBLY	1



Engine: Starter

Figure 15 - Starter

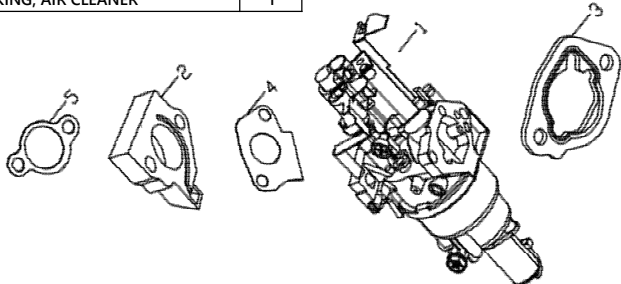
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	31500-E230020-00000	STARTER MOTOR	1	2	91101-0832-00100	FLANGE BOLT	2



Engine: Carburetor

Figure 16 - Carburetor

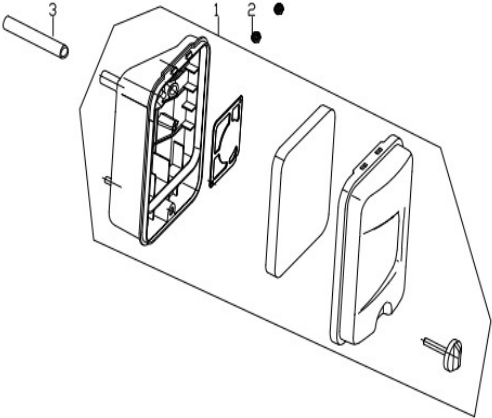
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	25300-E260501-00000	CARBURETOR ASSEMBLY	1	4	22007-E040030-00000	PACKING, INSULATOR	1
2	22006-E100010-H0400	INSULATOR	1	5	22002-E040010-00000	PACKING, INTAKE PORT	1
3	22001-E040030-00000	PACKING, AIR CLEANER	1				



Engine: Air Cleaner

Figure 17 - Air Cleaner

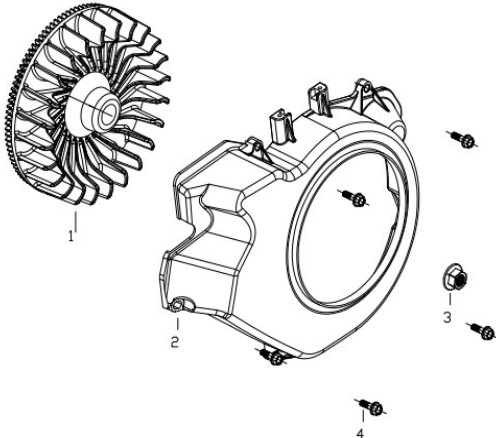
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	22100-E100010-H0400	AIR CLEANER ASSEMBLY	1	3	22004-E100010-H0200	EXHAUST PIPE	1
2	92201-0600-00100	NUT, FLANGE	2				



Engine: Blower Assembly

Figure 18 - Blower Assembly

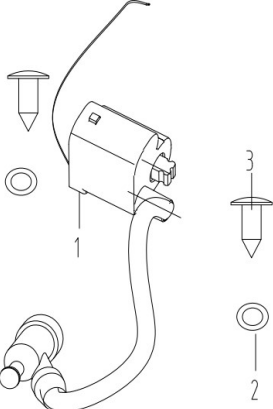
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	26201-G310010-00000	FAN, COOLING	1	3	92403-E040010-00000	NUT, SPECIAL	1
2	26211-E100010-H0200	BLOWER HOUSING	1	4	91101-0620-00100	BOLT	5



Engine: Ignition Coil

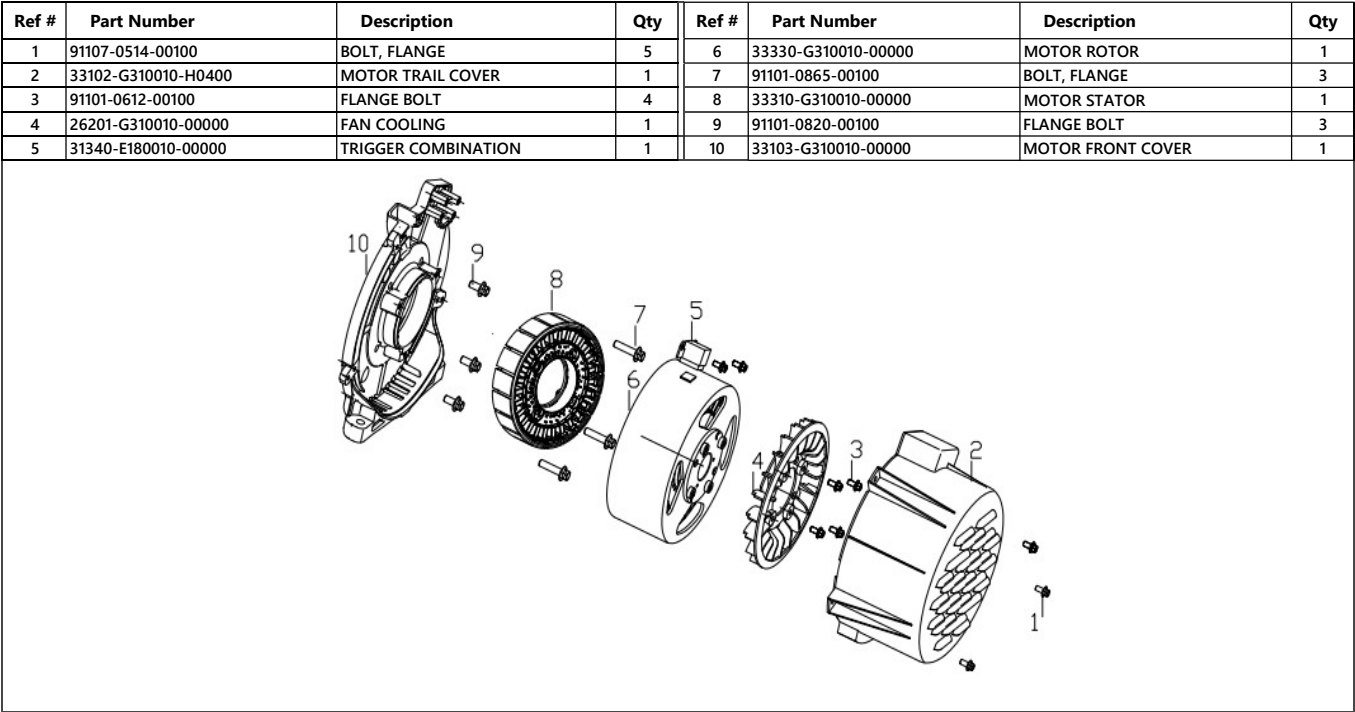
Figure 19 - Ignition Coil

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	22100-E100010-H0400	IGNITION COIL ASSEMBLY	1	3	91206-4813-00200	SCREW	2
2	92201-0600-00100	FLAT WASHER	2				



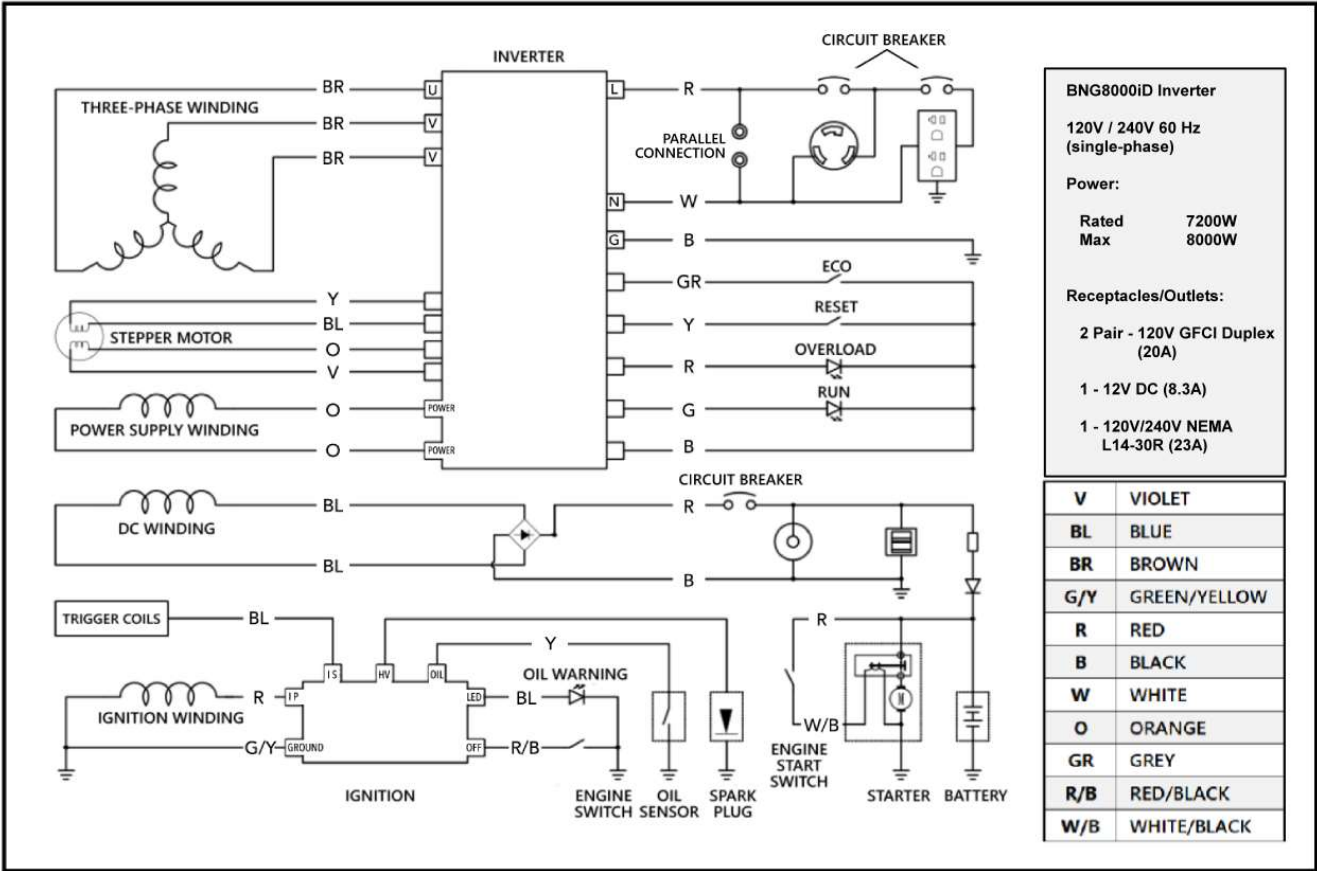
Engine: Rotor/Stator

Figure 20 - Rotor/Stator



BNG8000iD Wiring Diagram

Figure 21 - Electrical Schematic



BNG8000iD-Electrical-Diagram-Rev-7-2022

Technical Specifications - Figure 22

Engine Type	Single Cylinder, 4-stroke, Air-cooled
Power (Max)	8000 Watts
Power (Rated)	7200 Watts
Fuel Capacity	5.3 Gallons (20.0 L)
Runtime @ 100% Load	4 Hours
Voltage & Frequency	120V / 240V 60Hz single-phase
Outlets & Receptacles	2 Pair - 120V GFCI Duplex (20A)
	1 - 12V DC (8.3A)
	1 - 120/240V 23A NEMA L14-30R
Noise Level (50% Load @ 23 ft.)	76 dBA
Dimensions	[L x W x H] 23.5" x 19.5" x 21.75" (58.9 x 49.6 x 55.3 cm)
Weight	132 lbs. (60 kg)

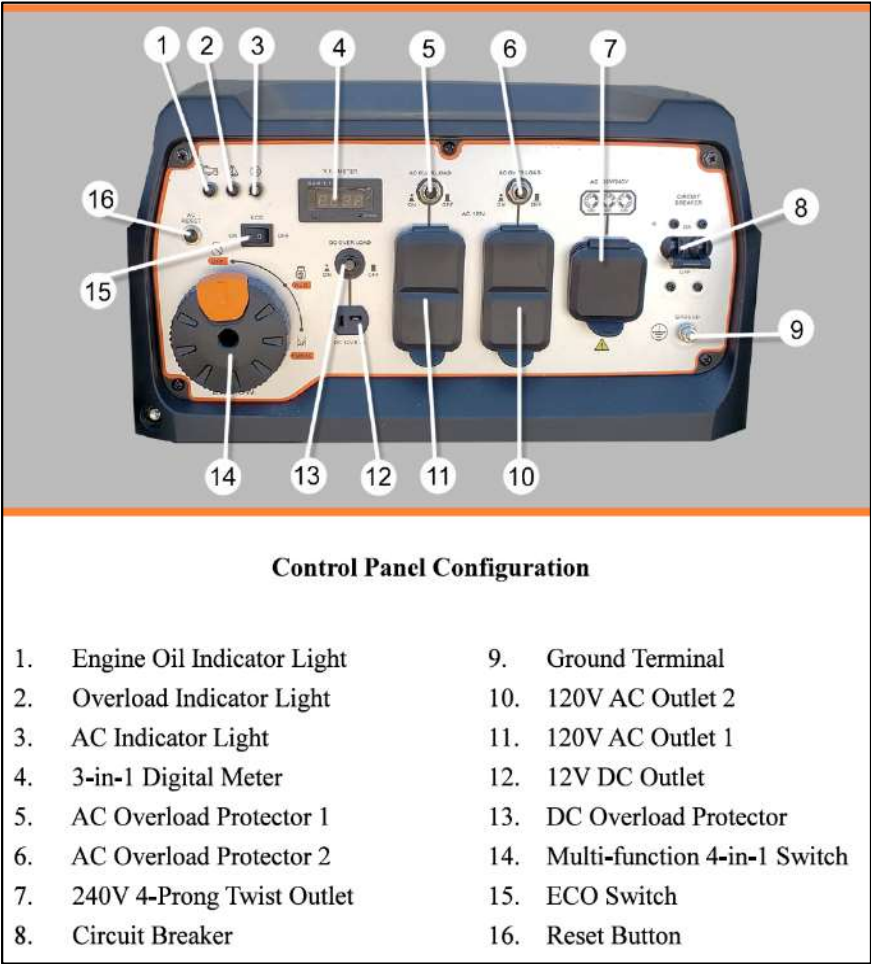


Figure 23

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